

# Notice of Allowability

Application No.

10/018,386

Examiner

Gary B. Nickol Ph.D.

Applicant(s)

FRIEDRICH ET AL.

Art Unit

1642

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09-17-04.
2. ☒ The allowed claim(s) is/are 1,3-6,8-13,15,18-21 and 23-33.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**GARY NICKOL**  
**PRIMARY EXAMINER**

Gary B. Nickol Ph.D.  
Primary Examiner  
Art Unit: 1642

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John Mahoney on September 17, 2004.

**Claims 2, 14, 16-17, 22 were cancelled.**

**Claims 1, 11, 15, 26, 30, and 32 were amended as follows:**

1. (Currently amended): A method for inhibiting angiogenesis comprising administering to a mammal a therapeutically effective dose of an isolated Ang-7 polypeptide, wherein said polypeptide comprises SEQ ID NO:2. ~~a fragment, variant, derivative or analog thereof.~~
2. (Cancelled):
11. (Currently amended): The method of claim 8, wherein the Ang-7 polypeptide is expressed in mammalian cells.

Art Unit: 1642

14. (Cancelled):
15. (Currently amended): A method of treating a tumor in a subject in need of anti-angiogenesis therapy comprising administering to a subject a therapeutically effective amount of an Ang-7 polypeptide, wherein said polypeptide comprises SEQ ID NO:2. a  
~~fragment, variant, derivative or analog thereof.~~
16. (Cancelled):
17. (Cancelled):
22. (Cancelled):
26. (Currently amended): The method of claim 23, wherein the Ang-7 polypeptide is expressed in mammalian cells.
30. A method of inhibiting endothelial tube formation comprising administering to an endothelial cell an effective amount of an Ang-7 polypeptide, wherein said polypeptide comprises SEQ ID NO:2. a  
~~fragment, variant, derivative, analog or a pharmaceutically acceptable salt thereof.~~

Art Unit: 1642

31. A method of inhibiting tumor cell growth comprising administering to a tumor cell an effect amount of an Ang-7 polypeptide, wherein said polypeptide comprises SEQ ID NO:2, a fragment, variant, derivative, analog or a pharmaceutically acceptable salt thereof.

The following is an examiner's statement of reasons for allowance: The Ang-7 polypeptide (SEQ ID NO:2) used in the claimed method was found to be free of the art and fully enabled based on the disclosure that the average number of lung metastases in mice was over 10 times less in tumor cells expressing Ang-7 polypeptide as compared to controls and VEGF-treated animals.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gary B. Nickol Ph.D. whose telephone number is 571-272-0835. The examiner can normally be reached on M-Th, 8:30-5:30; alternate Fri., 8:30-4:30.

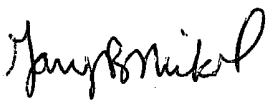
Art Unit: 1642

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Siew can be reached on 571-272-0787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Gary B. Nickol Ph.D.  
Primary Examiner  
Art Unit 1642

GBN



**GARY NICKOL  
PRIMARY EXAMINER**